

1999 IPHC Stock Assessment Survey
Area 4B

Station Number	Date Fished	North		Depth (F)	Skates Set*	Halibut (pounds)		Bycatch (numbers)**		
		Latitude	Longitude			Legal	Sublegal	Sablefish	P. Cod	Rockfish
6069	8/22	51° 30.16'	176° 51.95' W	173	6.8	738	0	24	38	62
6070	8/30	51° 30.09'	178° 29.11' W	104	7.1	1,756	19	15	15	0
6071	8/28	51° 30.24'	178° 44.84' W	83	6.7	618	215	0	14	0
6072	8/21	51° 40.76'	175° 47.97' W	225	7.1	593	21	47	0	41
6073	8/21	51° 39.80'	176° 04.20' W	165	7.1	1,331	52	0	5	10
6074	8/23	51° 40.05'	176° 19.90' W	79	7.0	435	180	0	10	0
6075	8/22	51° 39.88'	177° 09.03' W	66	7.2	3,973	189	0	61	10
6076	8/22	51° 40.00'	177° 24.96' W	73	7.2	1,099	222	0	113	5
6077	8/30	51° 43.34'	178° 12.90' W	36	7.2	2,456	87	0	82	0
6078	8/30	51° 38.28'	178° 24.95' W	159	7.2	641	38	10	30	0
6079	6/25	51° 49.94'	174° 26.07' W	162	6.7	1,201	112	25	15	55
6080	6/25	51° 49.98'	174° 43.08' W	116	6.7	2,811	630	0	11	0
6081	6/25	51° 49.56'	174° 59.86' W	114	6.7	3,763	774	0	24	0
6082	6/26	51° 49.96'	175° 16.16' W	109	7.0	1,256	181	0	15	0
6083	6/26	51° 49.34'	175° 31.88' W	103	6.8	2,995	589	0	15	0
6084	6/26	51° 49.90'	175° 48.12' W	68	7.0	750	818	0	70	0
6085	6/24	52° 00.34'	173° 22.48' W	34	7.0	2,084	222	0	225	0
6086	6/24	52° 00.18'	173° 37.65' W	42	6.9	1,382	211	0	105	0
6087	6/24	52° 00.55'	173° 53.93' W	36	6.9	1,955	229	0	113	0
6088	8/20	52° 00.27'	174° 11.05' W	57	7.1	2,418	413	0	46	0
6089	8/20	51° 59.98'	174° 26.46' W	39	7.0	2,210	213	0	71	0
6090	8/20	52° 00.13'	174° 58.70' W	36	7.2	1,451	180	0	98	5
6091	6/15	52° 00.65'	176° 21.25' W	86	6.5	2,462	355	0	83	5
6092	8/27	51° 59.81'	179° 26.95' W	48	7.0	831	111	0	0	0
6093	6/22	52° 10.38'	172° 49.50' W	80	6.7	3,364	87	0	172	0
6094	6/22	52° 10.41'	173° 03.97' W	46	7.0	3,601	334	0	229	0
6095	6/22	52° 11.70'	173° 20.86' W	51	6.9	2,019	289	0	25	0
6096	6/23	52° 10.29'	173° 53.35' W	54	6.9	728	343	0	101	0
6097	6/29	52° 09.94'	174° 43.23' W	60	7.0	1,108	219	0	135	0
6098	6/29	52° 10.00'	174° 58.85' W	64	7.0	1,523	170	0	0	0
6099	6/29	52° 10.25'	175° 14.80' W	132	7.0	488	70	5	69	0
6100	6/27	52° 09.86'	175° 46.78' W	195	6.7	1,435	30	117	33	28
6101	8/26	52° 09.98'	179° 28.49' E	150	7.2	956	0	0	0	0
6102	Not Fished in 1999									
6103	8/26	52° 09.59'	179° 43.83' E	50	7.3	789	10	0	0	0
6104	8/26	52° 09.84'	179° 58.03' W	55	6.5	374	8	0	5	0
6105	6/23	52° 19.65'	173° 54.00' W	59	6.8	332	126	0	10	0
6106	8/25	52° 20.05'	179° 41.00' W	146	7.0	493	0	0	0	0
6107	Not Fished in 1999									
6108	Not Fished in 1999									
6109	8/18	52° 29.63'	173° 36.36' W	196	7.1	621	0	34	10	5
6110	8/25	52° 29.93'	179° 41.05' W	56	7.2	454	9	0	0	0
6111	Not Fished in 1999									
6112	8/25	52° 39.81'	179° 25.13' W	68	7.1	57	0	0	5	5
6113	7/30	51° 20.14'	179° 07.09' E	49	7.0	615	0	0	111	16
6114	7/30	51° 29.86'	178° 35.97' E	122	6.9	238	17	0	44	5
6115	7/30	51° 29.82'	178° 52.45' E	43	7.0	805	13	0	75	0
6116	7/26	51° 40.11'	175° 38.84' E	91	7.2	982	28	0	5	5
6117	Unsuccessful Station									

*Standard skate = 1,800' groundline with 16/0 circle hooks spaced every 18' on 24"-42" gangions.

**Bycatch numbers extrapolated from 20-25% sample.

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6118	Unsuccessful Station									
6119	7/26	51° 50.19'	175° 39.51' E	74	7.0	447	11	0	20	24
6120	7/26	51° 50.10'	175° 56.14' E	78	7.0	624	0	0	0	0
6121	7/25	51° 50.00'	177° 32.99' E	63	6.9	1,961	8	0	141	10
6122	7/25	51° 50.23'	177° 49.23' E	58	6.7	1,121	8	0	183	10
6123	7/29	51° 49.65'	178° 20.56' E	85	7.0	1,039	61	0	144	0
6124	7/26	52° 00.05'	175° 56.53' E	70	7.0	1,140	0	0	20	35
6125	7/28	52° 00.03'	176° 45.02' E	71	7.0	1,639	66	0	371	0
6126	Unsuccessful Station									
6127	7/25	51° 59.98'	177° 49.82' E	68	6.7	1,205	46	0	220	0
6128	7/29	52° 00.19'	178° 22.24' E	59	7.0	19	0	0	89	0
6129	6/8	52° 09.47'	173° 45.88' E	93	6.7	44	115	0	110	0
6130	7/27	52° 10.02'	175° 07.05' E	96	6.7	806	0	5	48	10
6131	7/27	52° 10.04'	175° 32.01' E	134	7.2	453	6	0	54	54
6132	6/8	52° 19.59'	173° 29.18' E	44	7.0	1,617	6	0	276	0
6133	6/8	52° 19.90'	173° 44.10' E	34	6.5	150	60	0	210	0
6134	6/11	52° 19.77'	174° 01.55' E	75	6.7	2,140	41	0	68	0
6135	6/11	52° 20.76'	174° 18.59' E	94	7.0	2,201	30	0	335	0
6137	6/9	52° 30.34'	172° 56.66' E	109	6.6	1,698	387	0	119	0
6138	7/17	52° 29.92'	173° 11.92' E	64	7.1	1,445	12	0	219	0
6139	6/7	52° 30.15'	173° 29.00' E	77	6.7	627	13	0	249	0
6140	6/11	52° 29.50'	174° 01.27' E	66	7.0	1,420	0	0	65	0
6141	6/12	52° 29.79'	174° 17.84' E	65	6.7	1,675	51	0	29	0
6142	6/12	52° 30.13'	174° 34.27' E	168	7.0	1,776	0	0	10	5
6143	6/12	52° 29.86'	174° 53.00' E	120	7.0	1,726	36	0	121	0
6144	6/9	52° 40.30'	172° 55.13' E	66	6.8	2,338	11	0	68	0
6145	7/17	52° 40.13'	173° 12.02' E	53	8.1	4,394	174	0	179	0
6146	6/7	52° 49.95'	173° 28.00' E	40	6.5	1,757	34	0	302	0
6147	6/7	52° 40.32'	173° 45.15' E	52	6.1	1,330	39	0	139	0
6148	6/10	52° 40.35'	174° 01.27' E	38	7.0	870	71	0	30	0
6149	6/10	52° 40.50'	174° 17.80' E	62	7.1	562	36	0	79	0
6150	Unsuccessful Station									
6151	6/6	52° 49.95'	172° 22.88' E	156	6.6	1,585	32	0	44	6
6152	6/5	52° 50.45'	172° 37.24' E	43	7.0	4,018	141	0	178	0
6153	6/10	52° 50.45'	173° 45.19' E	87	6.8	2,931	103	0	170	0
6154	7/15	52° 59.08'	170° 57.42' E	178	6.8	202	0	19	0	28
6155	6/5	52° 59.74'	172° 20.94' E	151	6.9	3,083	143	0	173	20
6156	7/15	53° 09.50'	170° 57.06' E	65	7.1	378	0	0	0	0
6157	7/15	53° 19.55'	170° 39.30' E	148	7.2	0	0	10	0	61

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**Bycatch numbers extrapolated from 20-25% sample.